

1/20

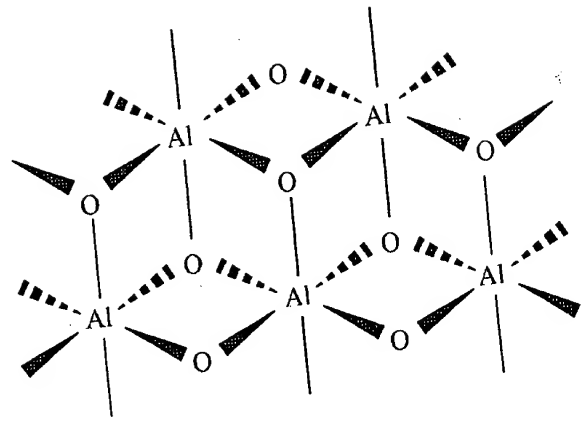


FIG 1

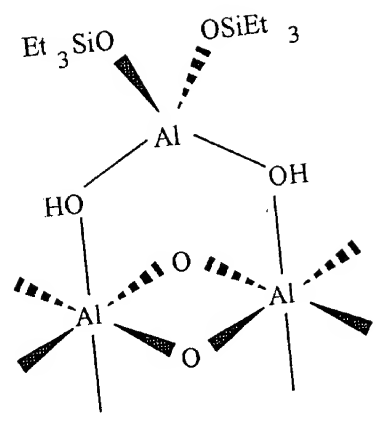


FIG 2

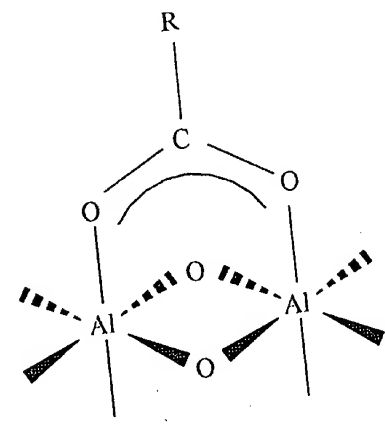


FIG 3

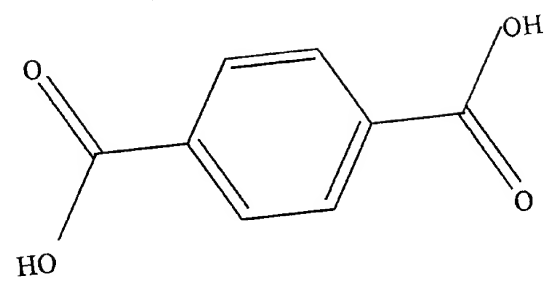


FIG 4

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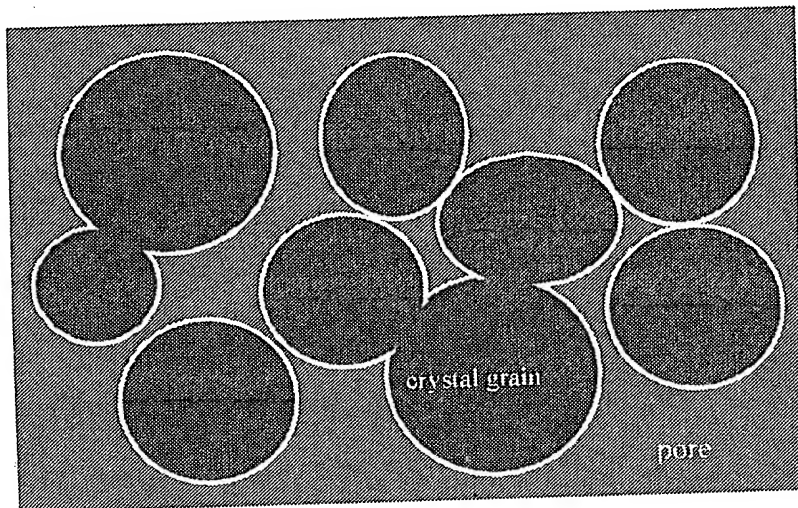


FIG 5

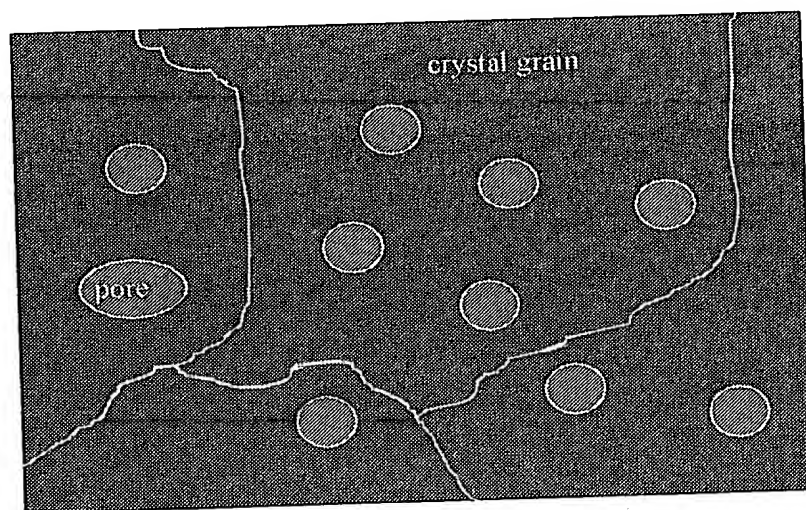


FIG 6

000260" 0220/960

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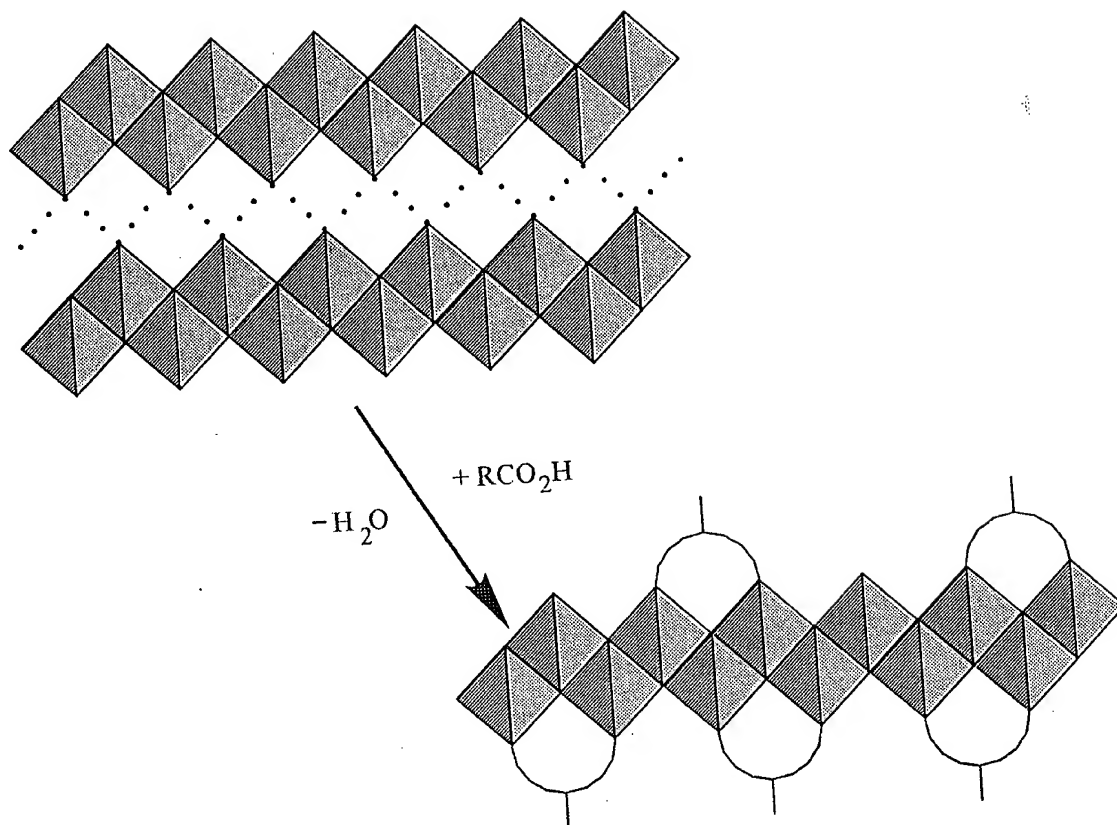


FIG 7

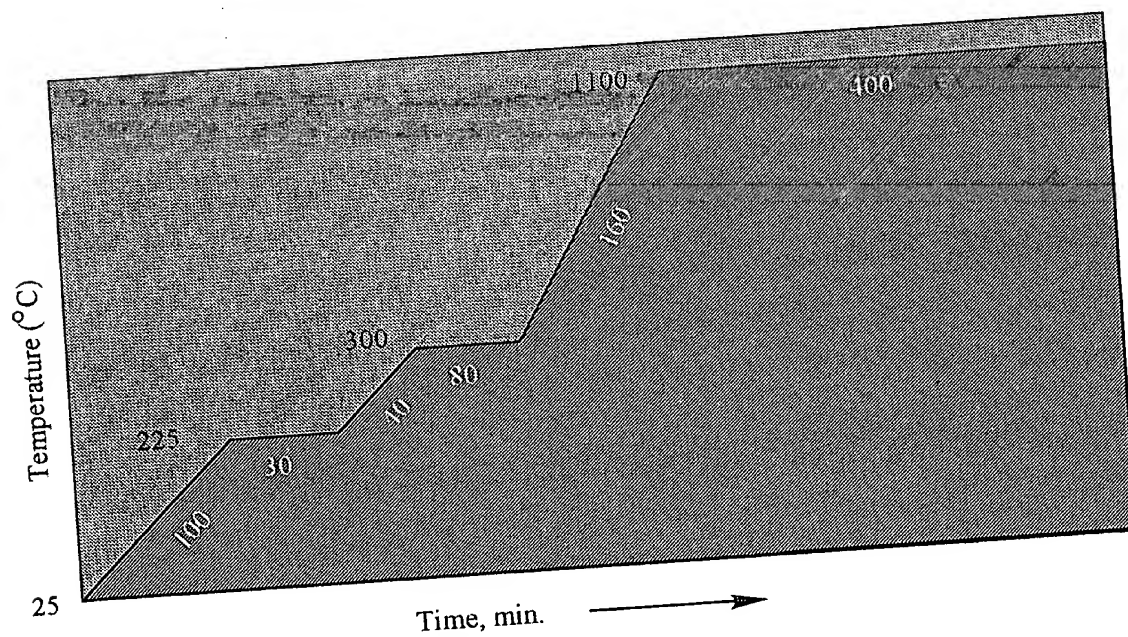
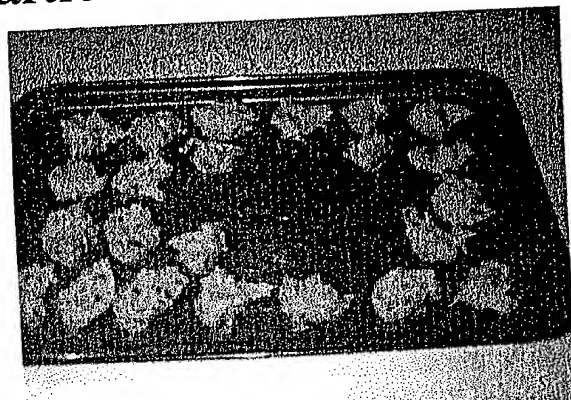
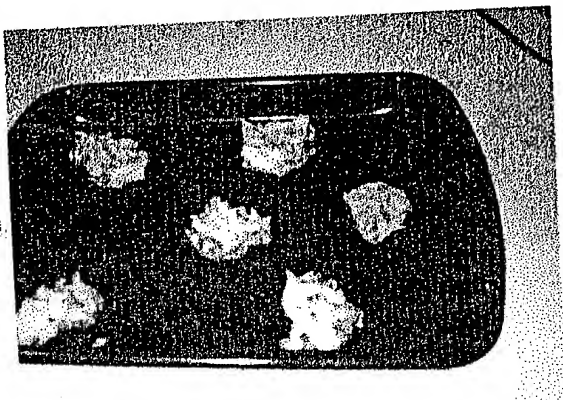


FIG 8

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## Precursor "Particles"



## Sintered "Particles"

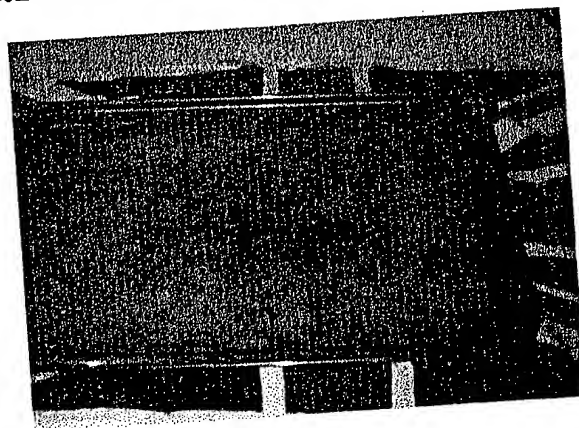
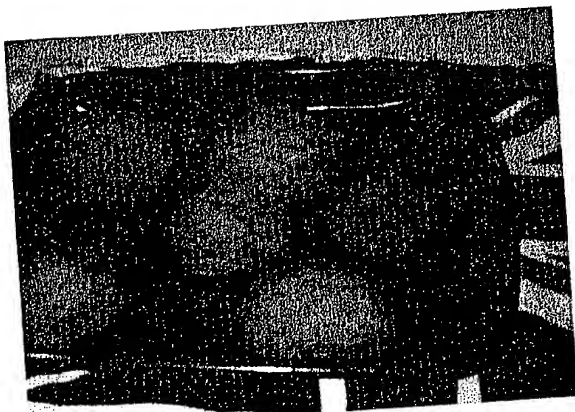
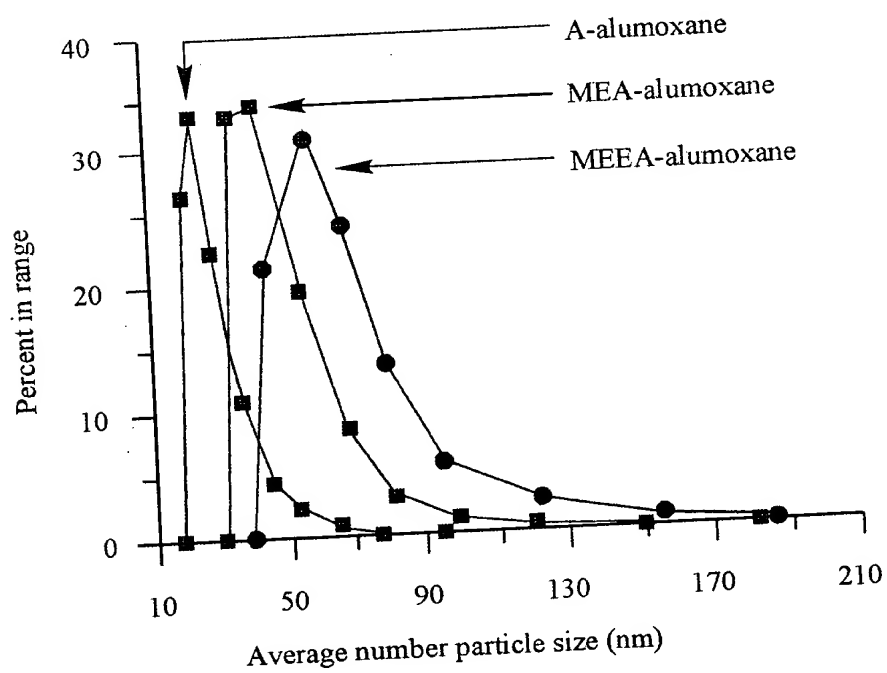


FIG 9

	range of particle sizes (nm)	average particle size (nm)
MEEA-Alumoxane	47-106	67
MEA-Alumoxane	48-73	50
A-Alumoxane	5-65	28
MA-Alumoxane	200-1400	200
Boehmite	30,000-100,000	50,000



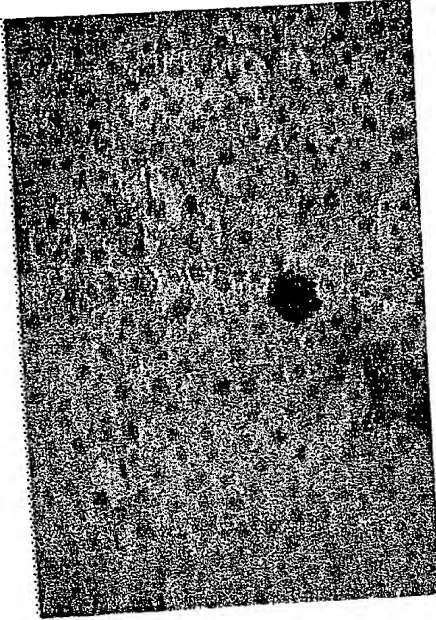




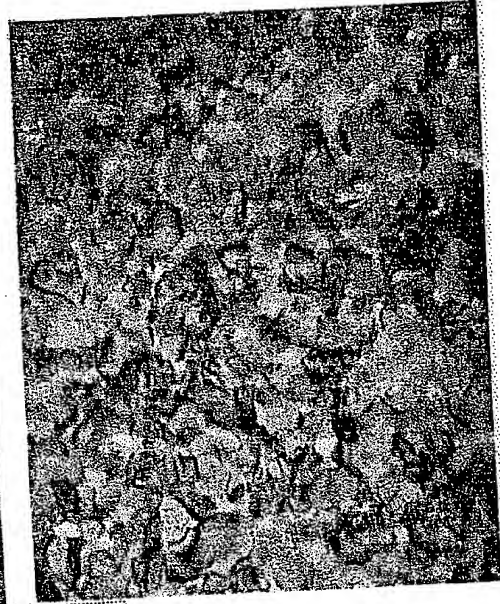
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000260" 0000/960

Converted MEA-A

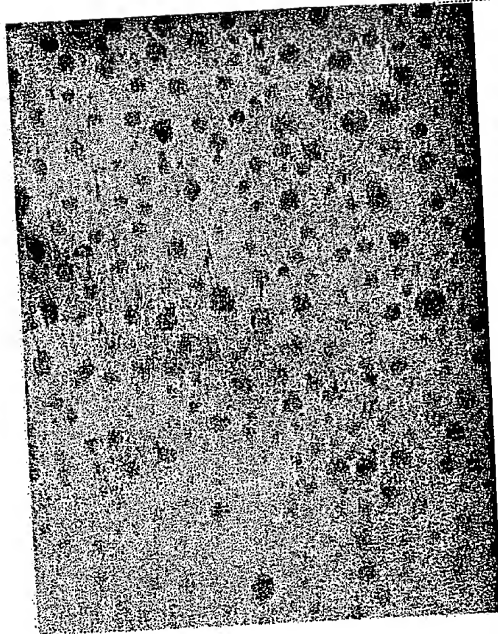


Converted A-A



50 nm  
200.0 KV X 1M

Converted MEEA-A



Converted MA-A

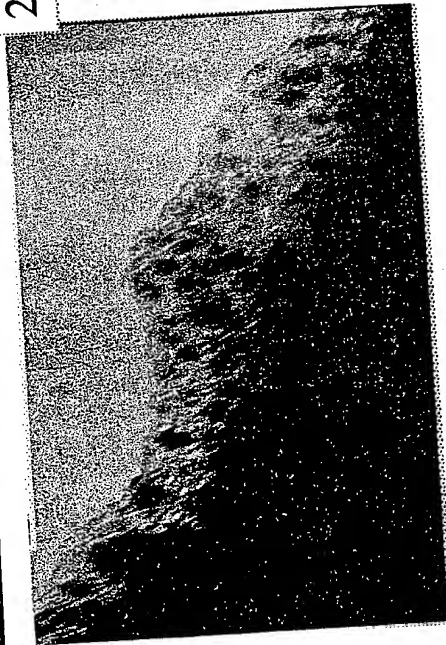
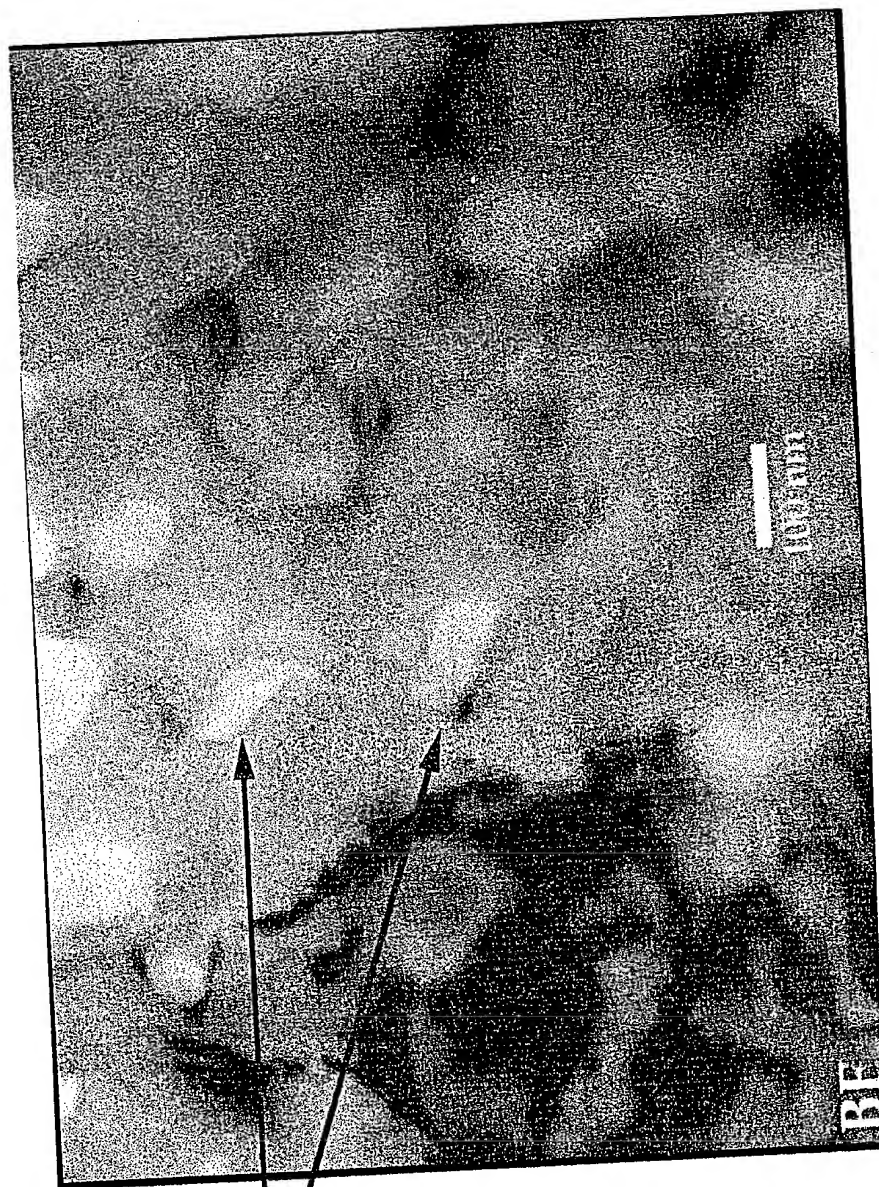


FIG 13

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Intragranular  
Pores  
~ 20 nm

FIG 14

09570230-092800



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BY	CLASS
DATE	REVISION

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FIG 15

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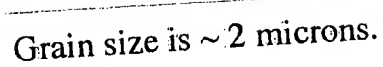
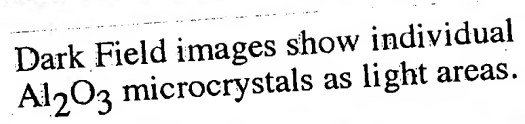
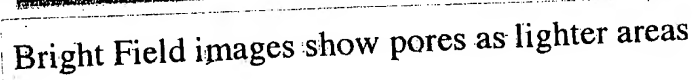
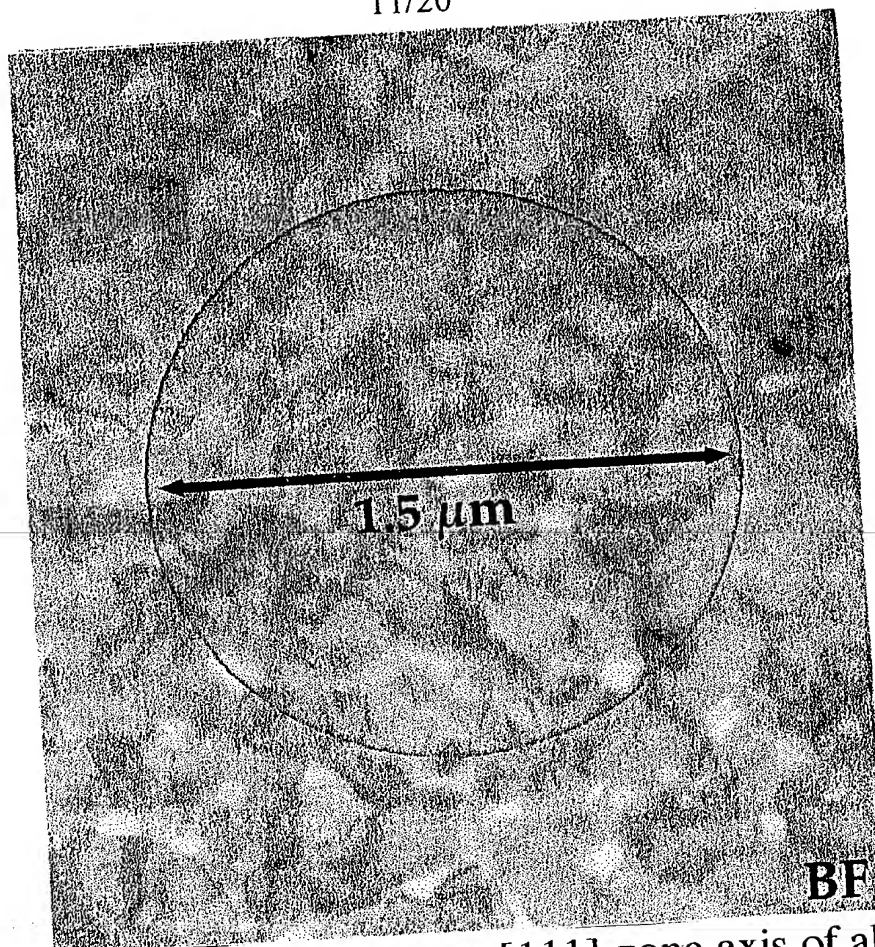


FIG 16

# 2025

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SAD Pattern Corresponding to  $[111]$  zone axis of alumina

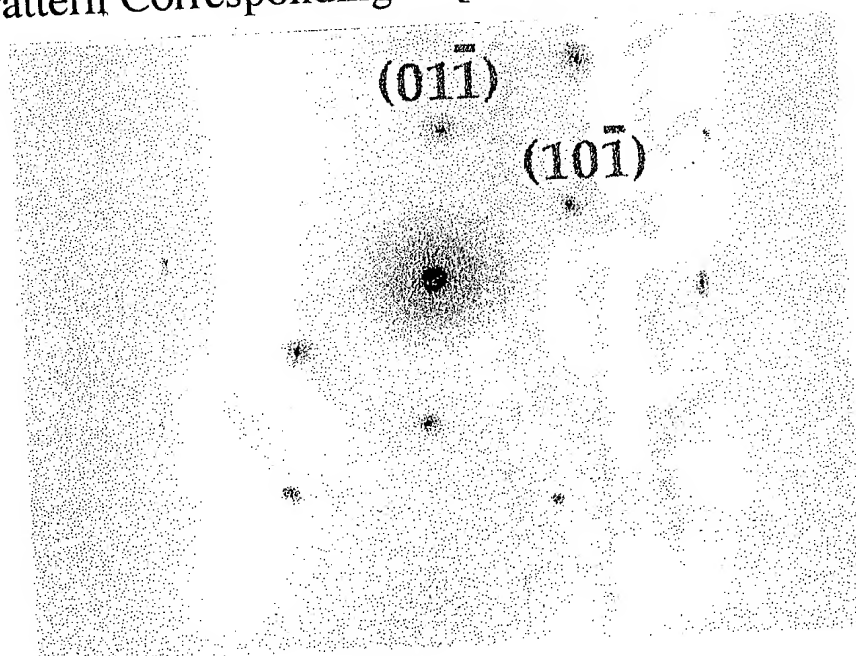


FIG 17

000200" 000200" 000200"

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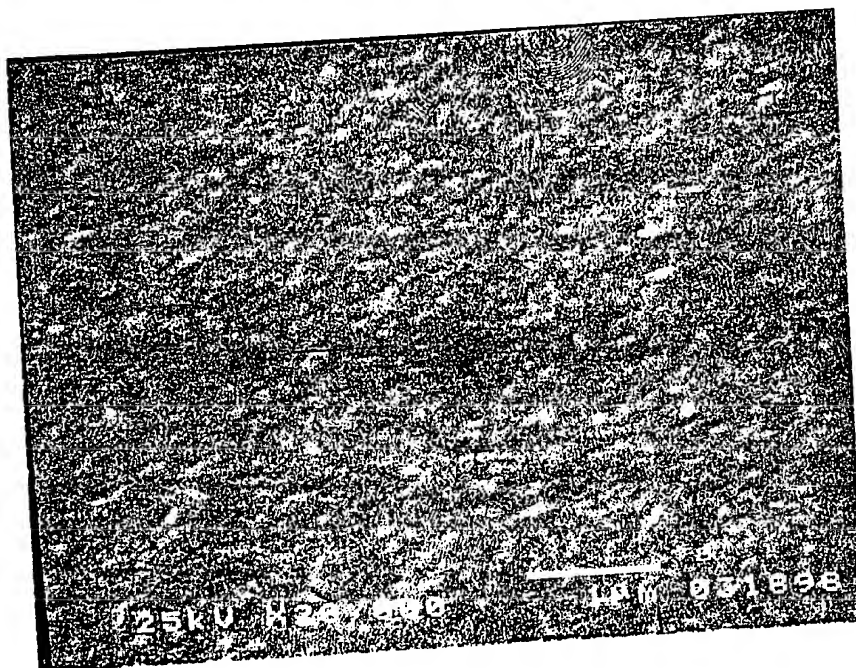
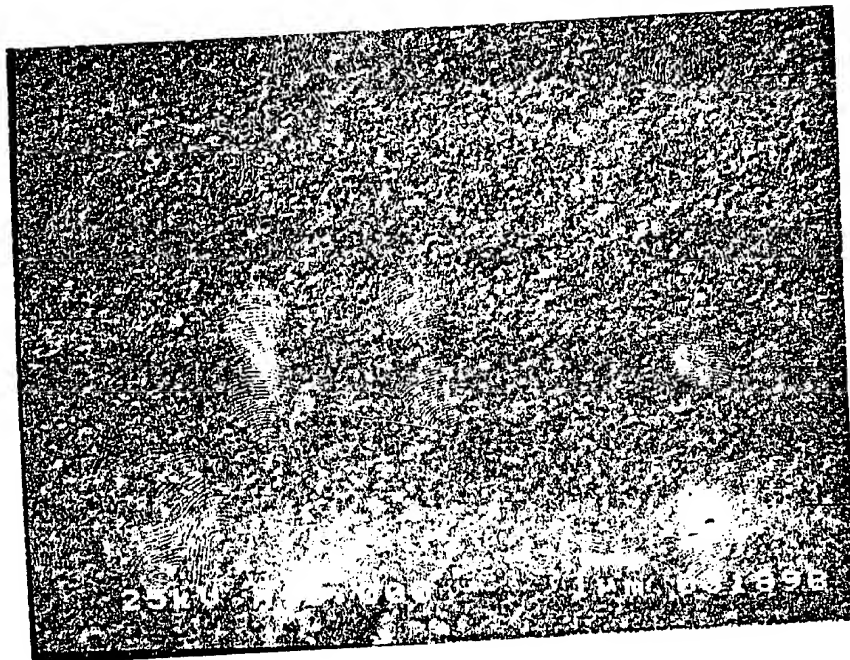


FIG 18

00670230 092800

FIG 20



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BY	CLASSIFIED
DRAFTSMAN	

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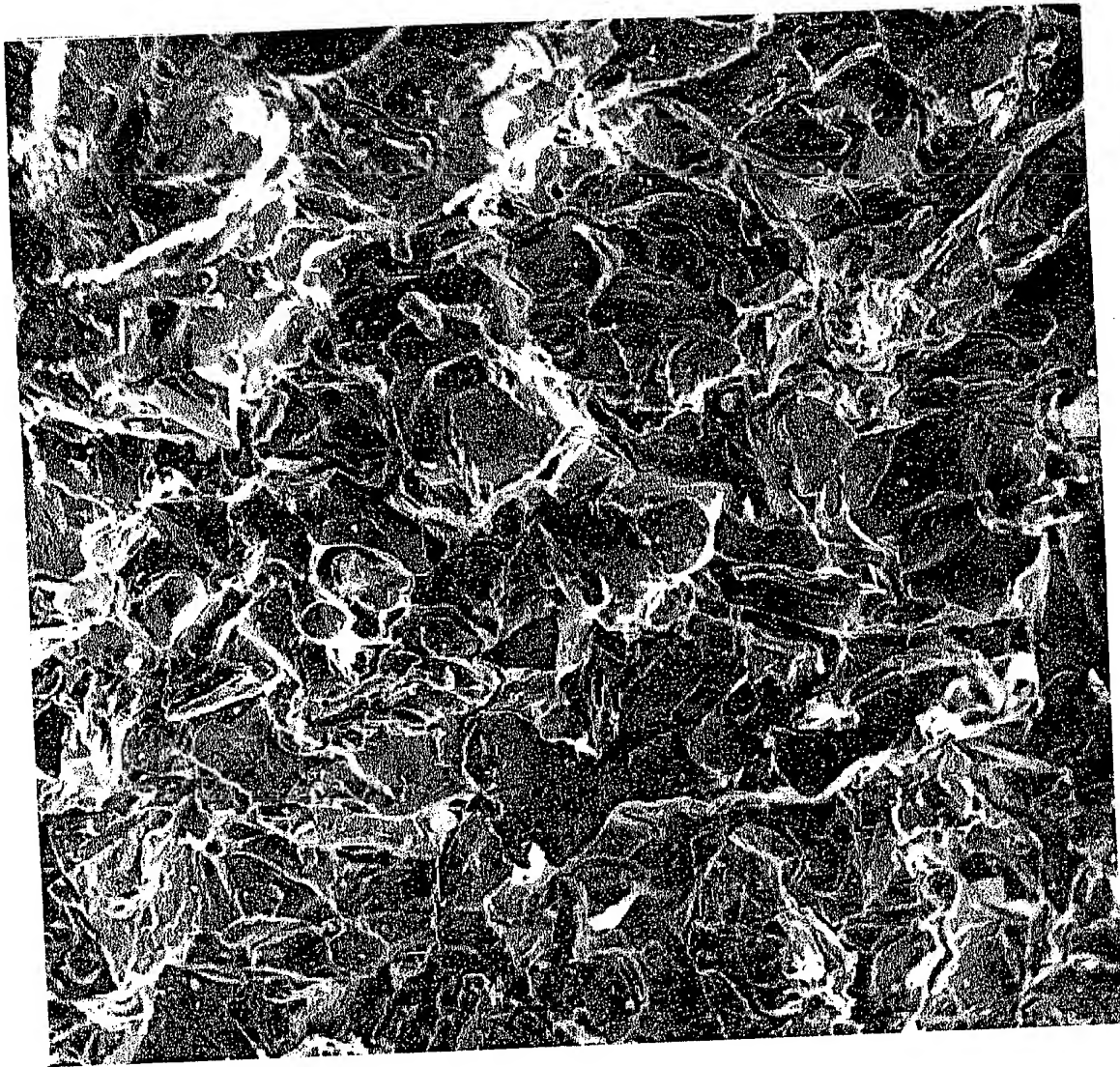
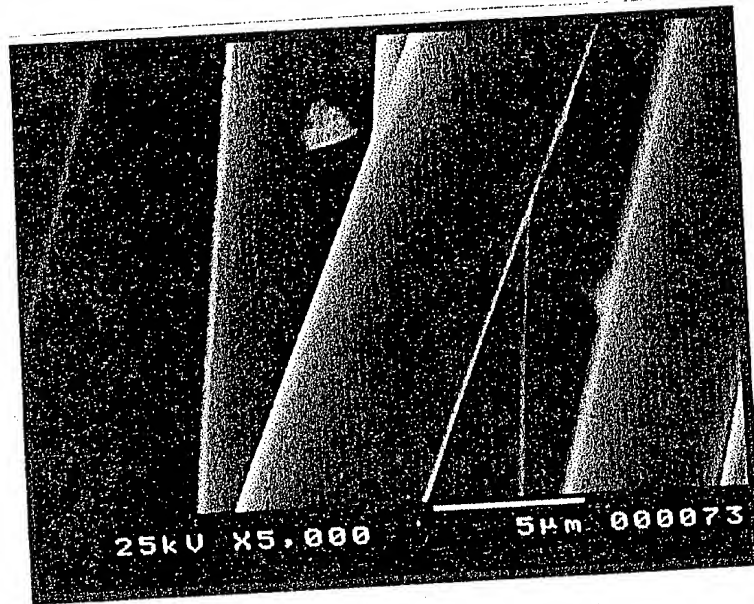


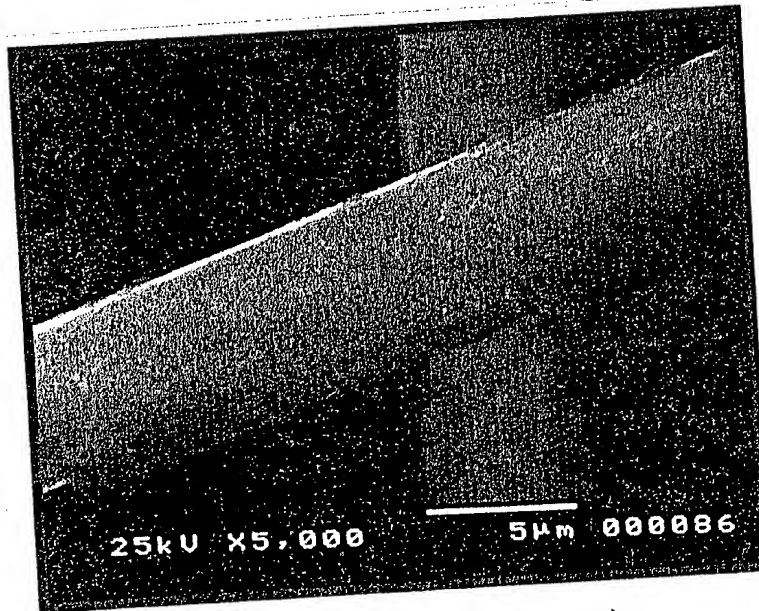
FIG 21



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Akzo Fortafil 3C(unt)  
7 μm carbon fibers, uncoated



Akzo Fortafil 3C(unt)  
7 μm carbon fibers, YAG coated

FIG 22

000000 000000 000000

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000000-000000

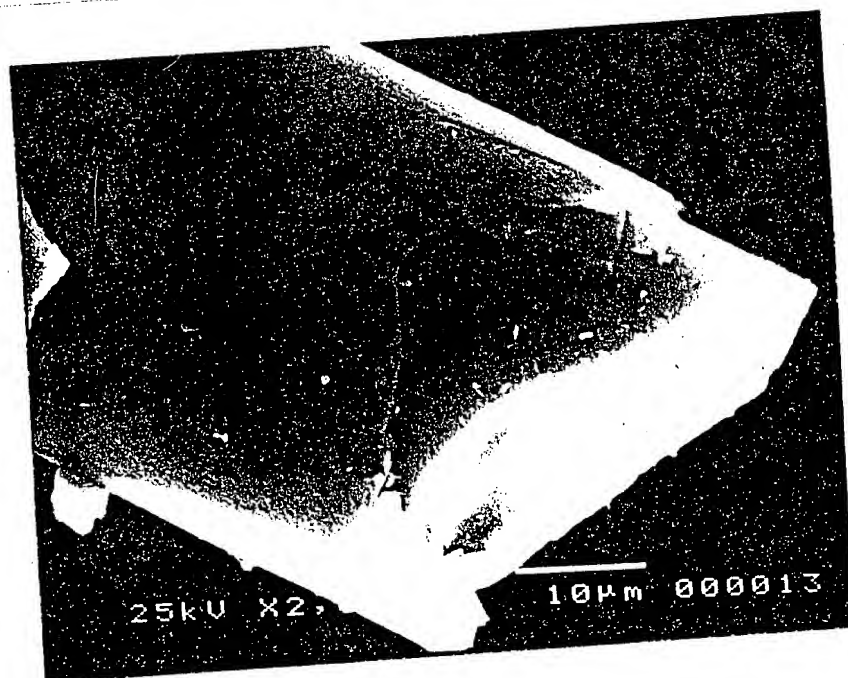
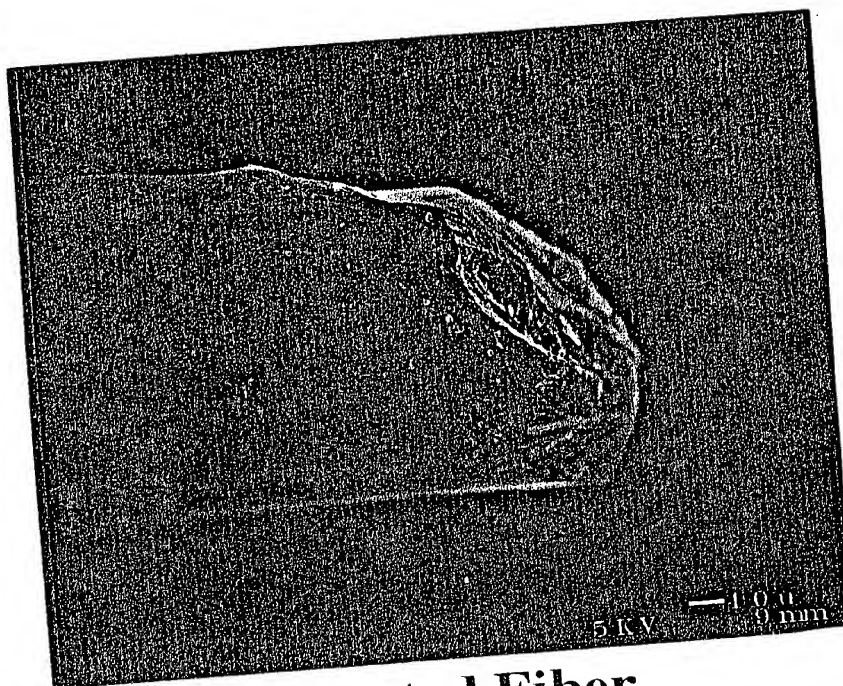


FIG 23

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Uncoated Fiber

Hibonite Coated Fiber



FIG 24

000260" 00202960

000260" 00204960

Mixed-Ligand Alumoxanes: MEA-A and A-A

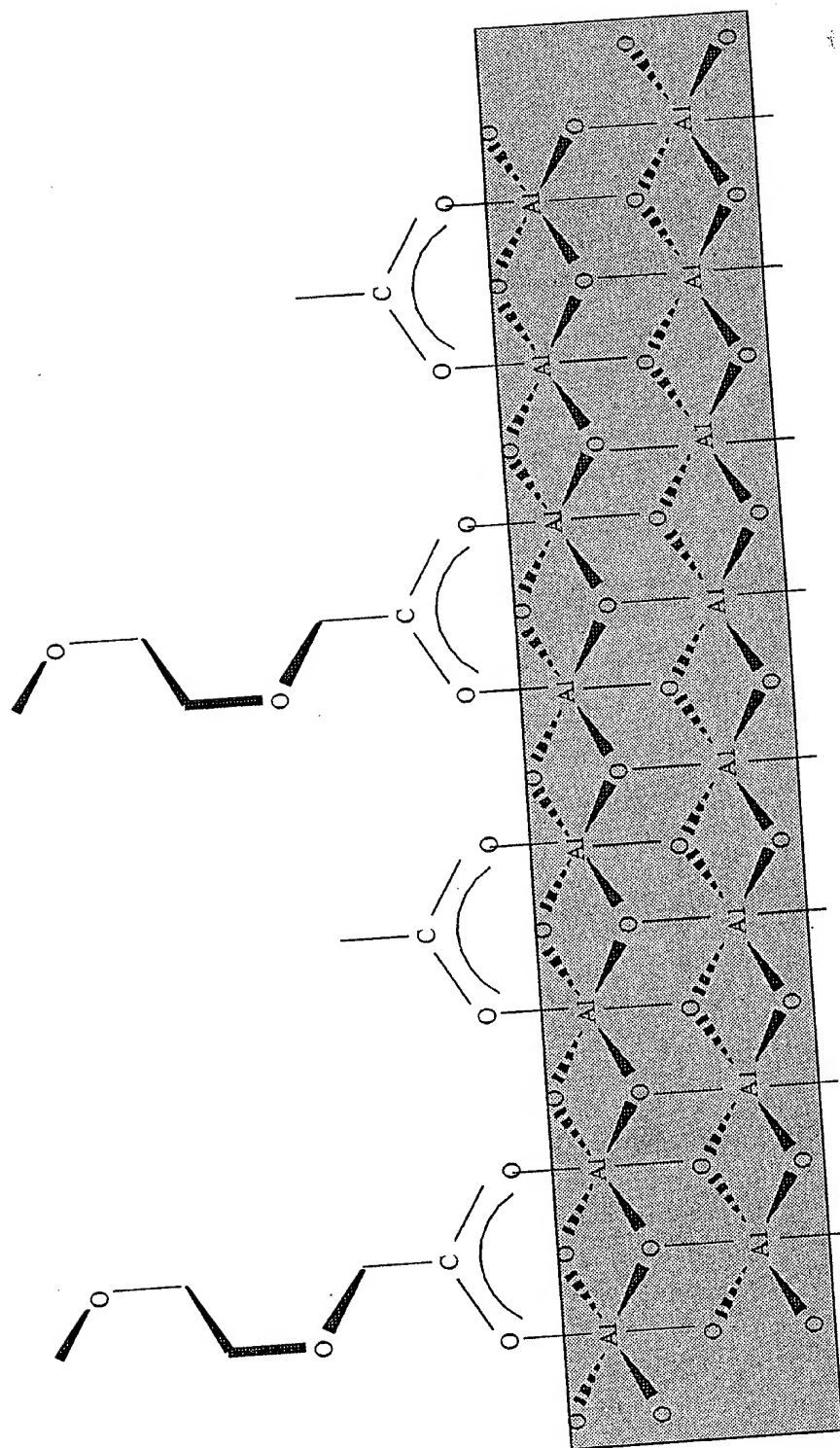


FIG 25

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003260" 02204960

Phys Mix Comparison (1:1) (MEA:AA)

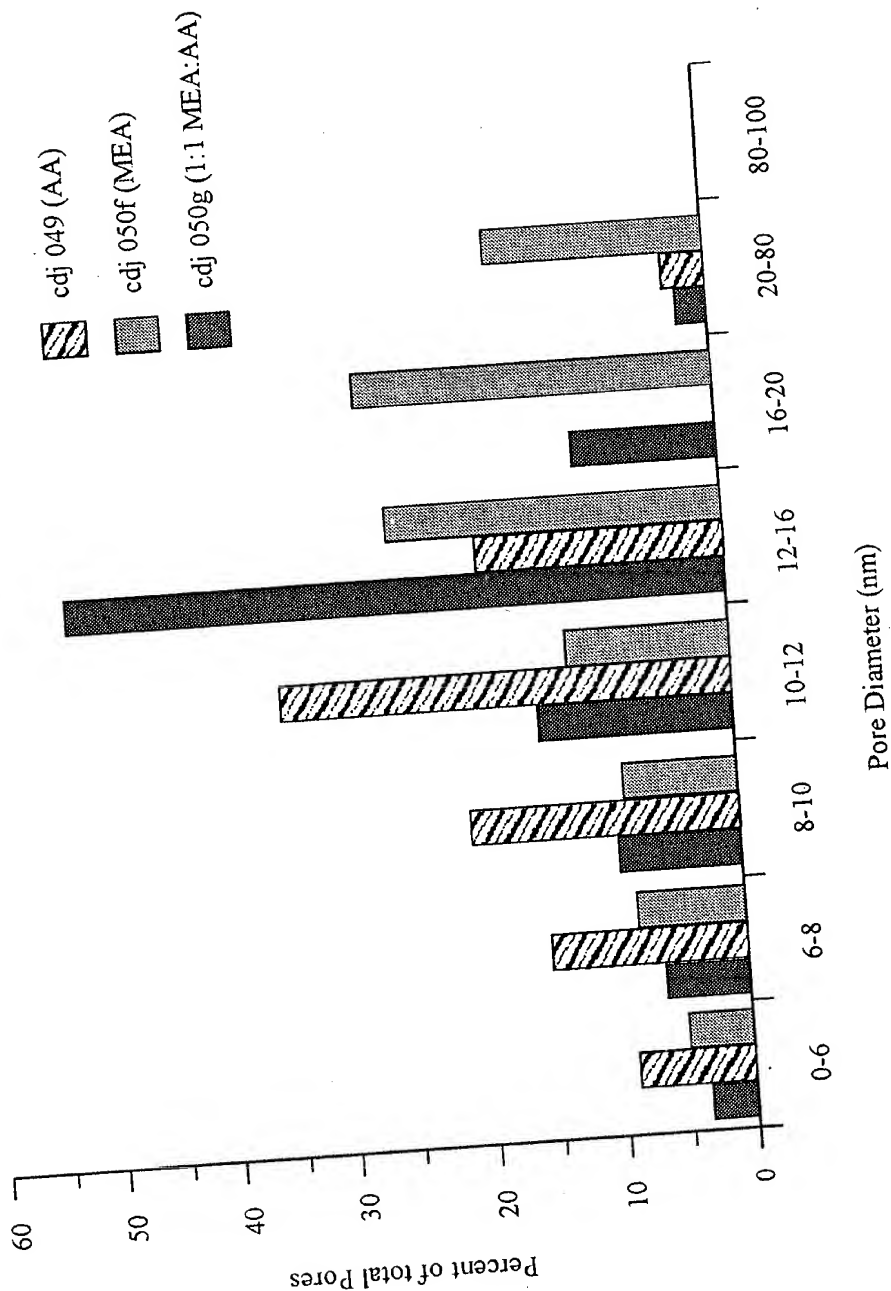


FIG 26

000000" 00000000

Comparisons of Pore Diameters for AA, MEAA and Chem MEA/AA

- cdj 049 (AA)
- cdj 050f (MEAA)
- cdj 050a (Chem Mix MEA: AA 1:1 mol/mol)

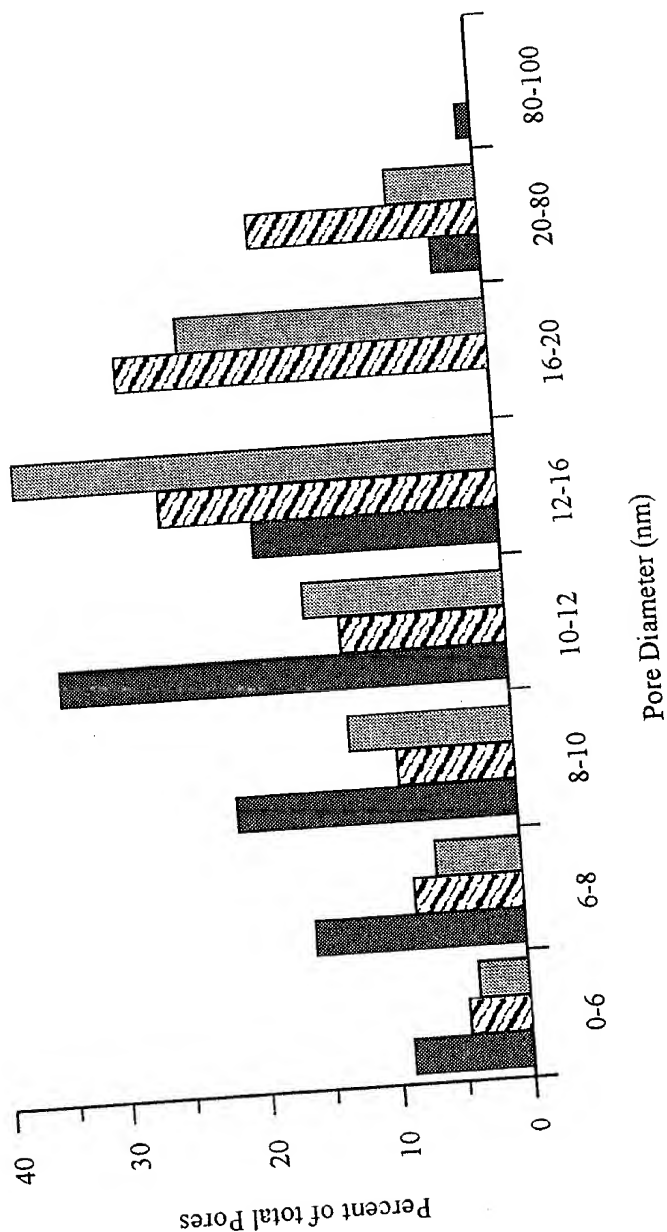


FIG 27